

Werris Creek Coal Mine Community Consultative Committee

Fifth Meeting of the Committee **Tony Caine Room, Quirindi RSL Club** **2.30pm 28th August 2007**

AGENDA

1. Record of Attendance
2. Minutes of Previous Meeting
3. Matters Arising
4. Update regarding Consultative Committee Membership
5. Quarterly Monitoring Results April, May and June 2007
6. Overview of 2006/2007 AEMR by Monique Meyers, Acting Senior Environmental Officer, DPI – Mineral Resources
7. General Business
8. Next Meeting

Copy to:

Ron Short	Chairman
Tony Ryan	Local Community Representative
Chris Holley	Local Community Representative
Vacant	Local Community Representative
Bob Stewart	LPSC
Monique Meyers	DPI – Mineral Resources
Leslie Latcham	MME
Neil Brown	WCC
Rob Snook	WCC
Gordon Atkinson	WCC



WERRIS CREEK COAL PTY LTD

ENVIRONMENTAL MONITORING

QUARTERLY REPORT

APRIL, MAY AND JUNE 2007

SUMMARY

This report covers the period 1st April 2007 to 30th June 2007. The first three months of the 2007/8 Annual Environmental Monitoring Period.

This report was prepared by Werris Creek Coal and includes the following monitoring for the period:

- HVAS (PM10) monitoring
- TSP monitoring
- Noise Monitoring
- Blast Monitoring
- Groundwater Monitoring
- Deposited Dust

REPORTING PERIOD RESULTS

Note: Monitoring results attached with any non compliance of monitoring criteria highlighted in yellow.

Summary

PM10

Monitoring is conducted at four sites (Ryan, Patterson, Marquette and Eurunderee) .

Data recovery from each site was 100%.

One individual PM10 24 hour average result at the Marquette site (17/04/2007) exceeded the short term 24 hour impact criteria of 50ug/m³.

All other individual PM10 24 hour average results, at all sites, were equal to or below the short term 24 hour impact criteria of 50ug/m³

Currently, all PM10 sites are below the long term impact and land acquisition annual impact criteria of 30ug/m³

TSP

Monitoring is conducted at one site (Ryan)

Data recovery from this site was 100%.

Currently, the TSP site is below the long term impact and land acquisition annual impact criteria of 90ug/m³

WEATHER

Weather data was available for 100% of the period.

NOISE

Spectrum Acoustics conducted three visits to Werris Creek Coal during the period to undertake attended noise monitoring. Monitoring was undertaken on the 12th April, 30th May and 27th June. Due to wet and windy conditions with windy speeds gusting to over 8m/s during the June monitoring no valid measurements were possible at any locations.

Attended noise monitoring identified several incidences of non-compliance during the reporting period.

BLAST MONITORING

During this reporting period a total of 27 blasts numbered WC112 to WC132 and ORICA1 to ORICA6. Orica became Blasting contractors in June 2007.

On the 15th May 2007, the maximum allowable airblast overpressure criterion of 120dB(L) was exceeded at "Railway View". Verbal notification was sent to the EPA with a detailed report from the Blasting Contractors (Roche Blasting Services) following.

WATER

Groundwater monitoring was undertaken 4th April.

DEPOSITED DUST

Limits were removed from Environment Protection Licence 12290 pertaining to mean annual dust deposition, however, in accordance with commitments within the approved Air Quality Monitoring Programme, monthly routine air quality monitoring for Werris Creek Coal continues to be undertaken for deposited dust.

GENERAL

Annual EPA Return submitted.

Werris Creek HVAS results

Date	WCHV-1 Marquett (PM10)	WCHV-2 Patterson (PM10)	WCHV-3 Ryan 6	WCHV-4 Eurunderee (PM10)	WCHV-5 Ryan TSP	24hr criteria PM10	annual criteria PM10	TSP	PM10/TSP Ratio	PM10/TSP Ratio moving ave
5/04/2007	20	15	13	23	29	50	30	90	45%	44%
11/04/2007	23	18	15	38	28	50	30	90	54%	44%
17/04/2007	56	30	23	29	45	50	30	90	51%	44%
23/04/2007	25	17	17	19	46	50	30	90	37%	44%
29/04/2007	15	11	11	11	28	50	30	90	38%	44%
5/05/2007	41	36	39	34	60	50	30	90	65%	45%
11/05/2007	13	4	4	8	15	50	30	90	27%	44%
17/05/2007	10	7	7	6	15	50	30	90	47%	44%
23/05/2007	12	6	3	6	12	50	30	90	25%	44%
29/05/2007	3	6	3	6	10	50	30	90	30%	44%
4/06/2007	5	3	0	0	6	50	30	90	0%	43%
10/06/2007	7	4	4	4	11	50	30	90	36%	43%
16/06/2007	3	3	0	0	2	50	30	90	0%	42%
22/06/2007	10	6	5	2	16	50	30	90	31%	42%
28/06/2007	4	0	0	5	1	50	30	90	0%	41%

Summary		Warms Creek																				
Date	12 min	T2 av	T2 max	INV min	INV av	INV max	H min	H av	H max	RAINF mm	WS min	WS av	WS max	ST min	ST av	ST max	Bat min	Bat av	Bat max	SR min	SR av	SR max
10/4/2007	10.1	17.7	25.1	-24.5	-0.5	27.4	29.0	52.3	76.0	0.0	0.5	2.7	3.5	4.0	15.4	47.0	6672.1	6959.2	7038.0	-7.0	240.7	650.0
20/4/2007	13.6	19.6	29.1	-26.0	0.1	29.2	27.0	49.3	73.0	0.0	0.2	1.2	3.3	4.0	30.9	94.0	6657.8	6946.0	7010.5	-7.0	245.0	630.0
30/4/2007	14.4	20.0	28.3	-26.2	1.3	27.3	38.0	51.2	77.0	0.0	0.1	1.3	3.4	3.0	26.1	91.0	6657.8	6944.2	7004.8	-7.0	195.3	631.0
4/04/2007	13.3	20.1	28.0	-21.4	-0.5	24.3	28.0	50.3	88.0	0.0	0.2	2.1	4.6	2.0	20.7	97.0	6656.6	6940.0	7002.9	-7.0	218.5	641.0
5/04/2007	13.4	19.1	27.1	-22.4	-1.4	19.3	31.0	63.9	84.0	4.2	0.1	1.8	6.1	6.0	28.4	96.0	6793.9	6941.9	7011.9	-7.0	192.7	693.0
6/04/2007	13.3	17.2	23.7	-10.4	-2.5	10.5	36.0	67.4	89.0	0.0	1.4	5.0	10.5	3.0	10.1	21.0	6662.5	6901.9	7003.5	-7.0	220.3	657.0
7/04/2007	10.4	15.9	22.4	-21.2	-1.8	18.4	33.0	62.4	95.0	0.0	0.7	3.6	6.4	5.0	13.2	61.0	6668.0	6973.0	7033.5	-7.0	224.6	665.0
8/04/2007	9.4	18.1	23.1	-23.0	0.2	25.7	32.0	59.9	88.0	0.0	0.3	3.2	6.0	5.0	13.7	51.0	6668.9	6972.1	7037.0	-7.0	207.0	646.0
9/04/2007	9.2	16.6	24.7	-22.2	-1.3	18.6	33.0	60.4	85.0	0.0	0.2	2.4	5.2	4.0	17.3	67.0	6677.6	6966.0	7035.0	-7.0	210.3	699.0
10/04/2007	9.3	17.0	24.9	-23.4	-0.4	21.4	21.0	53.6	90.0	0.0	0.1	1.5	3.7	4.0	26.9	67.0	6678.0	6665.2	7041.3	-7.0	230.1	804.0
11/04/2007	8.3	17.8	24.3	-23.4	0.9	24.4	17.0	47.3	85.0	0.0	0.1	2.1	7.0	3.0	20.7	70.0	6665.4	6660.0	7040.0	-7.0	222.5	805.0
12/04/2007	10.5	17.9	25.6	-23.6	0.4	26.4	30.0	46.1	89.0	0.0	0.3	2.1	4.5	2.0	17.7	98.0	6672.4	6956.1	7027.3	-7.0	219.9	836.0
13/04/2007	9.3	17.5	25.6	-23.6	-2.0	17.2	12.0	52.2	84.0	0.0	0.1	1.6	4.8	2.0	25.1	102.0	6650.8	6961.8	7048.9	-7.0	216.2	784.0
14/04/2007	10.9	16.6	25.7	-23.4	-0.3	24.5	27.0	49.7	78.0	0.0	0.1	1.2	3.4	3.0	31.6	80.0	6660.4	6930.4	7031.6	-7.0	200.0	810.0
15/04/2007	14.4	20.2	26.9	-22.3	-0.1	18.4	25.0	47.7	68.0	0.0	0.1	1.6	5.4	3.0	28.3	80.0	6660.5	6933.0	6992.1	-7.0	173.8	813.0
16/04/2007	15.3	21.1	28.8	-17.9	1.4	27.6	23.0	44.0	68.0	0.0	0.2	2.7	5.6	4.0	20.2	72.0	6652.4	6928.0	6975.1	-7.0	199.2	746.0
17/04/2007	12.3	20.1	28.5	-24.0	-3.2	15.1	21.0	54.5	91.0	0.0	0.2	1.6	3.7	5.0	23.1	84.0	6647.3	6936.4	7018.0	-7.0	205.5	744.0
18/04/2007	13.0	20.6	28.6	-28.1	-1.5	25.5	18.0	50.3	65.0	0.0	0.2	1.2	2.8	2.0	25.9	68.0	6634.6	6937.2	7011.9	-7.0	203.1	733.0
19/04/2007	13.1	20.9	27.3	-18.8	3.9	37.7	30.0	50.2	74.0	0.0	0.1	1.3	3.6	3.0	26.4	66.0	6623.3	6940.1	7002.3	-7.0	145.4	804.0
20/04/2007	12.9	20.7	28.9	-20.5	1.9	20.1	17.0	42.0	74.0	0.0	0.1	1.4	4.5	1.0	27.4	92.0	6645.6	6937.4	7015.4	-7.0	194.7	720.0
21/04/2007	13.3	20.0	28.0	-23.9	-2.0	16.0	22.0	58.7	92.0	0.0	0.2	1.9	3.4	3.0	20.5	92.0	6646.6	6936.2	7005.5	-7.0	185.0	754.0
22/04/2007	13.4	19.9	28.3	-22.0	-0.5	15.1	25.0	50.4	81.0	0.0	0.1	1.7	4.5	6.0	26.5	97.0	6634.6	6936.2	6990.6	-7.0	169.1	781.0
23/04/2007	10.2	17.5	25.0	-30.6	-2.2	25.1	28.0	56.1	76.0	0.0	0.1	2.5	6.1	3.0	22.6	91.0	6669.0	6950.1	7035.6	-7.0	184.2	907.0
24/04/2007	12.9	17.0	23.8	-18.3	-3.2	12.0	40.0	84.8	84.0	0.0	1.2	3.6	6.4	4.0	12.3	52.0	6695.6	6991.6	7007.3	-7.0	154.9	772.0
25/04/2007	12.2	17.0	23.8	-25.7	-4.1	10.0	43.0	67.9	84.0	0.0	0.4	3.2	6.2	3.0	13.3	82.0	6663.1	6954.6	7007.9	-7.0	140.4	802.0
26/04/2007	11.8	17.2	23.9	-22.0	-3.6	9.5	39.0	65.3	88.0	0.0	0.4	2.4	5.5	3.0	17.1	78.0	6676.0	6957.2	7009.0	-7.0	134.9	845.0
27/04/2007	13.8	16.2	16.0	-7.8	-1.9	6.1	71.0	88.0	94.0	14.8	0.2	1.3	3.5	7.0	20.8	88.0	6660.0	6960.0	6994.0	-7.0	21.3	121.0
28/04/2007	14.5	15.4	16.0	-10.4	-2.0	1.4	75.0	88.5	95.0	23.0	0.4	2.9	5.7	11.0	17.9	48.0	6940.0	6970.3	6991.6	-7.0	97.5	837.0
29/04/2007	13.4	16.7	20.8	-13.4	-3.7	1.2	41.0	84.4	86.0	0.0	1.4	3.0	6.5	10.0	15.9	27.0	6911.9	6992.6	6986.5	-7.0	167.7	811.0
30/04/2007	12.5	15.1	17.9	-11.8	-1.2	13.2	50.0	68.1	92.0	2.0	0.2	3.2	5.2	5.0	16.8	38.0	6649.9	6976.2	7006.9	-7.0	83.7	683.0
Month	9.2	18.2	28.6	-30.6	-1.0	37.7	12.0	57.9	65.0	43.8	0.1	2.3	10.5	1.0	21.2	102.0	6785.0	6954.1	7046.9	-7.0	182.0	905.0

Summary May-27 Weirris Creek

Date	12 min	12 av	12 max	INV min	INV av	INV max	H min	H av	H max	FAIN (mm)	WS min	WS av	WS max	ST min	ST av	ST max	Bat min	Bat max	SR min	SR av	SR max
1/05/2007	8.5	14.8	21.2	-21.5	1.0	27.1	40.0	66.5	93.0	0.0	0.1	1.2	3.4	3.0	28.3	91.0	6694.8	6991.5	-7.0	190.9	840.0
2/05/2007	10.4	15.9	21.6	-17.8	2.7	29.1	38.0	69.5	96.0	0.0	0.3	2.1	3.8	4.0	18.9	94.0	6894.8	7044.0	-7.0	196.2	860.0
3/05/2007	10.0	16.4	25.8	-23.8	0.8	26.1	27.0	51.7	82.0	0.0	0.1	2.1	4.3	5.0	22.5	80.0	6894.8	7024.4	-7.0	178.4	860.0
4/05/2007	13.8	20.8	27.9	-18.8	1.7	31.7	26.0	48.5	72.0	0.0	0.2	2.1	4.2	5.0	23.2	78.0	6894.8	7033.8	-7.0	168.2	864.0
5/05/2007	9.7	17.2	25.1	-23.5	3.7	30.8	26.0	56.5	87.0	0.0	0.1	1.2	2.8	1.0	23.4	84.0	6872.5	7000.4	-7.0	176.0	868.0
6/05/2007	10.3	17.2	25.8	-27.5	2.4	28.8	25.0	53.4	81.0	0.0	0.1	0.9	2.0	0.0	24.4	85.0	6869.3	7031.9	-7.0	169.2	725.0
7/05/2007	11.9	18.9	28.4	-24.3	0.9	24.1	33.0	57.5	79.0	0.0	0.1	1.4	3.9	4.0	26.5	82.0	6861.9	7091.5	-7.0	169.1	661.0
8/05/2007	13.7	19.7	28.1	-23.3	-0.4	18.7	35.0	57.0	79.0	0.0	0.2	1.3	4.7	3.0	27.8	88.0	6861.0	7066.1	-7.0	164.5	628.0
9/05/2007	12.4	18.9	25.5	-23.2	0.9	20.9	40.0	65.8	80.0	0.0	0.2	1.8	5.1	5.0	24.2	83.0	6867.8	7007.0	-7.0	152.7	646.0
10/05/2007	13.0	18.2	20.1	-12.7	0.1	10.2	65.0	60.8	89.0	0.5	0.3	3.1	7.3	7.0	11.0	24.0	6928.9	6971.2	-7.0	94.8	712.0
11/05/2007	10.2	15.9	22.6	-24.5	0.7	22.5	43.0	68.0	94.0	0.2	0.1	2.0	4.7	3.0	21.3	95.0	6862.1	6874.0	-7.0	150.5	612.0
12/05/2007	7.0	15.9	23.6	-20.8	0.4	26.8	32.0	60.0	89.0	0.0	0.2	2.3	5.1	5.0	22.7	88.0	6879.0	6874.5	-7.0	159.0	628.0
13/05/2007	11.3	17.2	22.9	-17.0	1.5	22.2	41.0	65.6	89.0	0.0	0.1	1.2	4.2	2.0	25.4	81.0	6894.4	6860.6	-7.0	111.5	624.0
14/05/2007	11.3	17.3	24.2	-23.2	1.2	20.3	31.0	63.7	83.0	0.0	0.1	1.0	3.3	3.0	26.8	86.0	6860.3	6863.1	-7.0	152.8	720.0
15/05/2007	11.0	17.2	24.2	-19.8	1.8	24.5	33.0	63.1	89.0	0.0	0.1	1.1	3.3	4.0	26.4	87.0	6875.1	6863.8	-7.0	148.4	695.0
16/05/2007	13.0	15.7	21.7	-17.3	2.3	17.6	61.0	81.7	94.0	11.2	0.1	1.2	4.3	5.0	25.7	85.0	6874.1	6875.0	-7.0	90.9	651.0
17/05/2007	10.4	17.4	24.0	-18.0	0.8	18.8	43.0	75.5	86.0	0.2	0.0	1.3	2.8	0.0	20.8	93.0	6878.9	6896.1	-7.0	141.3	602.0
18/05/2007	12.3	14.7	20.0	-4.1	-1.3	3.7	81.0	84.2	94.0	36.8	0.8	3.7	6.8	6.0	16.5	57.0	6948.0	7004.4	-7.0	10.2	178.0
19/05/2007	11.9	14.1	16.3	-15.4	-2.0	12.8	53.0	77.0	94.0	0.0	1.0	2.6	4.2	5.0	16.5	48.0	6947.4	7010.5	-7.0	114.5	705.0
20/05/2007	9.1	13.4	18.7	-17.1	1.0	20.1	44.0	70.2	93.0	0.0	0.1	1.5	3.1	4.0	32.2	98.0	6950.4	6892.9	-7.0	133.2	722.0
21/05/2007	8.9	13.4	18.0	-18.7	-1.3	14.0	43.0	69.5	87.0	0.0	0.1	2.0	3.5	5.0	20.8	80.0	6928.0	6953.8	-7.0	155.2	653.0
22/05/2007	7.8	12.0	16.5	-15.4	-0.4	12.7	43.0	61.0	80.0	0.0	0.1	2.4	4.5	7.0	20.1	78.0	6952.9	7003.8	-7.0	147.4	623.0
23/05/2007	3.5	9.1	15.7	-21.1	1.5	18.1	42.0	70.3	94.0	0.0	0.1	1.2	3.0	1.0	27.4	83.0	6953.0	7034.0	-7.0	149.1	586.0
24/05/2007	3.1	9.8	17.1	-22.8	1.8	23.4	34.0	68.0	84.0	0.0	0.1	1.0	2.3	0.0	26.5	98.0	6936.4	7038.3	-7.0	150.3	593.0
25/05/2007	2.7	10.8	18.3	-20.4	2.1	22.5	31.0	64.4	82.0	0.0	0.1	0.9	2.0	3.0	27.1	80.0	6917.4	7023.1	-7.0	149.7	580.0
26/05/2007	5.7	13.9	22.1	-19.0	4.3	23.5	28.0	58.8	87.0	0.0	0.1	0.9	2.9	0.0	22.4	89.0	6907.4	7004.1	-7.0	148.4	570.0
27/05/2007	8.5	14.7	21.8	-19.9	4.0	34.0	40.0	61.9	78.0	0.0	0.1	1.3	2.9	3.0	23.9	88.0	6891.8	6895.5	-7.0	143.2	568.0
28/05/2007	9.7	15.8	22.2	-19.4	2.4	23.8	37.0	61.8	86.0	0.0	0.1	1.5	5.8	5.0	28.2	94.0	6895.0	6875.1	-7.0	137.2	588.0
29/05/2007	11.7	17.8	23.3	-10.6	2.0	27.7	41.0	57.3	80.0	0.0	0.4	3.1	9.9	6.0	21.2	78.0	6868.8	6856.4	-7.0	125.2	551.0
30/05/2007	6.4	12.8	18.1	-15.7	-1.8	17.0	51.0	73.2	95.0	13.0	0.1	2.5	6.3	0.0	18.8	87.0	6947.8	6894.1	-7.0	137.1	644.0
31/05/2007	3.0	9.1	16.0	-22.5	3.0	28.9	37.0	70.5	85.0	0.0	0.1	1.1	2.6	3.0	27.1	100.0	6948.8	7034.1	-7.0	142.5	571.0
Monthly	2.7	15.3	27.9	-27.5	1.2	34.0	25.0	65.1	98.0	61.5	0.8	1.7	6.9	9.0	23.7	108.0	6854.0	6978.5	-8.0	141.8	840.0

Werris Creek Coal Environmental Monitoring – June 2007

Summary Jun-07 Werris Creek

Date	12 min	12 av	12 max	12V min	12V av	12V max	H min	H av	H max	RAIN mm	WS min	WS av	WS max	ET min	ET av	ET max	Bul min	Bul av	Bul max	SR min	SR av	SR max
1/06/07	1.7	8.0	17.0	-28.8	3.1	24.8	45.9	70.8	93.0	0.0	0.2	1.0	2.5	0.0	24.8	93.0	6946.3	7036.1	7107.1	-7.0	139.6	596.0
2/06/07	4.8	11.2	19.8	-19.2	2.0	28.1	38.0	68.7	94.0	0.0	0.1	0.8	2.8	0.0	28.5	88.0	6914.6	7017.5	7081.8	-7.0	136.7	581.0
3/06/07	7.2	10.1	13.4	-19.7	6.8	30.0	77.0	87.7	96.0	7.2	0.1	1.2	6.1	4.3	25.9	96.0	6967.5	7024.9	7082.4	-7.0	34.1	341.0
4/06/07	3.8	10.0	16.8	-19.7	2.4	21.9	60.0	85.8	97.0	0.4	0.0	1.0	2.3	1.0	24.7	90.0	6937.3	7021.5	7075.5	-7.0	128.5	546.0
5/06/07	4.3	10.7	17.9	-20.5	0.2	13.7	48.0	79.3	95.0	0.2	0.2	0.8	2.1	3.0	27.0	81.0	6932.4	7017.7	7083.3	-7.0	123.4	647.0
6/06/07	6.7	13.8	18.5	-12.8	0.3	12.4	55.8	76.1	88.0	0.0	0.1	1.2	2.7	5.2	24.3	93.0	6967.0	6999.8	7044.6	-7.0	83.7	489.0
7/06/07	10.8	12.4	16.1	-16.2	-2.6	5.6	71.4	90.8	95.6	19.8	0.2	1.8	4.0	5.6	21.9	74.6	6955.1	6994.6	7033.0	-7.0	62.2	481.1
8/06/07	5.5	7.1	10.8	-8.0	-3.0	-0.3	90.8	93.6	95.1	16.8	0.5	3.1	5.7	6.8	18.9	38.0	7013.0	7041.3	7085.3	-7.2	16.0	331.8
9/06/07	3.2	8.3	13.0	-17.3	-3.3	1.4	88.1	88.3	86.0	20.8	0.1	2.0	4.0	7.2	21.8	88.7	6972.4	7029.2	7074.9	-7.3	99.3	632.2
10/06/07	0.7	11.7	10.5	-18.0	0.4	22.6	54.7	74.7	93.0	0.0	0.1	1.3	3.3	4.8	22.8	82.4	6942.3	7006.4	7054.3	-7.2	90.0	795.5
11/06/07	4.9	9.9	15.7	-10.3	2.1	21.8	52.8	76.0	84.0	0.2	0.1	1.4	3.1	3.4	23.2	87.5	6954.0	7022.4	7071.3	-7.2	136.3	571.5
12/06/07	4.1	8.0	14.1	-19.1	0.8	17.7	50.8	73.9	95.4	0.0	0.1	1.7	4.7	7.0	23.8	84.8	6967.0	7040.3	7085.8	-7.3	115.8	580.9
13/06/07	-0.3	5.7	12.3	-19.8	2.8	22.1	42.8	75.5	86.1	0.0	0.2	1.2	3.3	0.0	21.8	82.7	6993.8	7080.3	7128.3	-7.3	131.6	595.0
14/06/07	1.0	6.8	13.8	-22.4	2.4	27.6	39.8	69.1	94.0	0.0	0.1	2.1	4.0	3.1	18.0	94.9	6981.4	7060.0	7114.5	-7.3	138.2	550.0
15/06/07	5.1	7.9	11.0	-14.0	3.6	28.1	66.8	78.5	93.3	0.8	0.1	1.9	4.4	4.4	22.1	101.1	6997.6	7048.7	7079.6	-7.1	74.1	563.0
16/06/07	4.5	8.2	11.6	-0.6	-0.9	13.3	72.1	87.9	84.6	0.2	0.2	2.1	4.7	6.5	16.4	92.4	7003.6	7037.9	7076.4	-7.0	50.0	538.8
17/06/07	8.2	11.6	14.4	-10.5	-1.4	3.5	73.8	83.2	83.2	0.0	0.4	3.0	6.3	5.0	13.1	42.3	6983.0	7012.9	7030.9	-6.9	44.5	288.5
18/06/07	6.5	11.1	15.1	-15.3	0.0	25.1	72.8	86.3	85.9	12.0	0.3	1.9	4.0	3.0	19.3	80.3	6969.0	7017.4	7053.8	-6.9	66.1	377.5
19/06/07	4.4	8.3	10.5	-9.0	-2.5	1.4	60.2	83.0	95.5	11.0	0.3	3.4	5.8	5.4	15.7	52.1	7007.9	7038.7	7071.3	-7.0	49.3	414.5
20/06/07	3.0	5.4	7.7	-0.8	-2.5	3.0	60.0	89.0	95.3	1.4	2.0	3.2	6.0	9.3	18.4	25.9	7035.4	7066.0	7085.1	-7.1	39.7	352.5
21/06/07	3.8	6.8	10.3	-12.1	-2.0	3.9	53.3	77.5	90.9	0.2	0.5	3.0	5.4	7.8	16.0	72.0	7001.8	7051.4	7090.8	-7.1	96.2	507.4
22/06/07	0.0	6.5	12.8	-21.8	1.8	25.6	50.8	78.9	97.7	0.0	0.1	1.1	2.8	6.0	25.0	79.5	6979.8	7055.0	7113.1	-7.3	133.1	543.3
23/06/07	3.2	8.9	16.5	-23.7	0.8	19.0	24.4	67.3	80.3	0.0	0.1	1.1	2.9	2.9	29.9	91.7	6943.1	7036.9	7101.8	-7.0	139.7	611.0
24/06/07	2.4	9.3	16.8	-18.2	2.7	21.8	50.4	76.4	98.1	0.0	0.1	1.7	4.3	3.9	20.7	95.5	6946.8	7034.2	7099.6	-7.0	132.7	534.5
25/06/07	5.7	10.3	15.9	-11.9	1.8	23.8	60.5	85.7	95.8	4.2	0.1	1.2	2.4	3.5	21.9	83.3	6958.3	7023.2	7072.0	-6.8	81.0	388.8
26/06/07	6.1	10.5	11.7	-4.3	-1.3	4.1	60.5	88.6	95.8	12.8	1.2	3.3	6.0	9.8	10.9	38.0	7053.5	7017.8	7089.8	-6.8	29.3	212.0
27/06/07	5.4	7.1	9.8	-5.1	-1.3	6.6	59.3	75.8	89.1	1.2	2.7	4.8	7.4	7.3	14.2	23.4	7027.3	7046.8	7088.8	-6.8	45.1	280.4
28/06/07	4.7	7.1	9.8	-8.8	-2.5	-0.7	71.3	87.0	94.9	6.2	2.2	3.8	5.7	9.8	16.2	23.1	7017.4	7053.9	7078.5	-6.8	38.7	316.0
29/06/07	6.9	8.0	12.0	-0.8	-2.2	1.3	60.2	81.1	93.7	0.0	1.7	4.1	6.4	6.4	9.4	15.5	6993.1	7046.2	7073.1	-6.5	52.1	484.0
30/06/07	6.5	8.3	13.3	-10.3	-1.9	4.1	52.4	77.8	91.4	0.0	1.4	3.6	6.4	6.4	9.5	16.4	6985.3	7044.4	7077.8	-6.5	74.5	605.1
Month	-0.3	8.1	19.8	-28.8	0.2	30.6	24.4	80.5	97.7	114.8	0.0	2.1	7.4	0.0	20.3	101.1	6907.6	7033.7	7128.3	-7.3	85.7	758.5

NOISE MONITORING

DATE	TIME	RECEPTOR																				
		R2	R3	R4	R5	R6	R7	R8	R10	WCC	WCC											
		Zeolite	Cintra	Old Colliery	Mountain View	Hillview	Railway View	Hazelidene	Escott													
12-Apr-07	3:20PM	47	45	39	NOT MEASURABLE	44	33	38	INAUDIBLE	51	41	46	39	41	INAUDIBLE	34	JUST AUDIBLE					
12-Apr-07	7:10PM	31	30	24	INAUDIBLE	44	39	29	INAUDIBLE	50	32	49	36	35	INAUDIBLE	32	25					
12-Apr-07	10:10PM	26	JUST AUDIBLE	29	JUST AUDIBLE	39	36	27	INAUDIBLE	33	30	31	30	27	27	25	JUST AUDIBLE					
30-May-07	3:10PM	33	MEASURA	34	NOT MEASURABLE	39	30	37	32	36	34	46	45	37	30	30	JUST AUDIBLE					
30-May-07	7:15PM	29	29	28	28	46	37	35	33	31	28	38	37	31	29	28	28					
30-May-07	10:10PM	37	37	36	36	41	37	35	35	37	37	47	47	32	31	33	33					
27-Jun-07 afternoon conditions were wet and windy with wind speeds measured gusting to over 8m/s and averaged greater than 6m/s																						
27-Jun-07	7:00pm	55	INAUDIBLE	62	<35	58	<35	61	approx 40	52	INAUDIBLE											
27-Jun-07	10:10PM			50	<35	55	<35	55	APPROX 38	51	INAUDIBLE											
27-Jun-07 winds abated slightly during evening and night surveys but still regularly gusted over 5m/s. No valid measurements of 15 minutes duration were possible at any location throughout evening and night time surveys.																						

SHOT NO	DATE	MONITOR LOCATION	PEAK GROUND PRESSURE mm/s	PEAK OVER PRESSURE dB	TIME
WC112	2/4/07	Glenara	0.65	99.0	1322
WC112	2/4/07	Old Colliery	0.08	112.5	1322
WC112	2/4/07	Railway View	0.92	110.2	1322
WC112	2/4/07	Windsor	D.N.T		1322
WC113	3/4/07	Glenara	D.N.T		1310
WC113	3/4/07	Old Colliery	D.N.T		1310
WC113	3/4/07	Railway View	0.6	113.5	1310
WC113	3/4/07	Windsor	D.N.T		1310
WC114	4/4/07	Glenara	D.N.T		1604
WC114	4/4/07	Old Colliery	0.88	105.3	1604
WC114	4/4/07	Railway View	1.64	110.5	1604
WC114	4/4/07	Windsor	D.N.T		1604
WC115	5/4/07	Glenara	D.N.T		1332
WC115	5/4/07	Old Colliery	1.23	103.2	1332
WC115	5/4/07	Railway View	1.07	109.2	1332
WC115	5/4/07	Windsor	D.N.T		1332
WC116	11/4/07	Glenara	D.N.T		1629
WC116	11/4/07	Old Colliery	D.N.T		1629
WC116	11/4/07	Railway View	0.13	111.6	1629
WC116	11/4/07	Windsor	D.N.T		1629
WC117	13/4/07	Glenara	D.N.T		1411
WC117	13/4/07	Old Colliery	1.2	97.9	1411
WC117	13/4/07	Railway View	1.71	105.3	1411
WC117	13/4/07	Windsor	D.N.T		1411
WC118	17/4/07	Glenara	D.N.T		1317
WC118	17/4/07	Old Colliery	1.13	97.9	1317
WC118	17/4/07	Railway View	1.49	112.3	1317
WC118	17/4/07	Windsor	D.N.T		1317
WC119	19/4/07	Glenara	D.N.T		1334
WC119	19/4/07	Old Colliery	0.98	97.9	1334
WC119	19/4/07	Railway View	1.64	110.2	1334
WC119	19/4/07	Windsor	D.N.T		1334
ORICA 1	20/4/07	Glenara	D.N.T		1517
ORICA 1	20/4/07	Old Colliery	1.12	102.7	1517
ORICA 1	20/4/07	Railway View	1.07	109.5	1517
WC120	23/4/07	Glenara	D.N.T		1603
WC120	23/4/07	Old Colliery	0.88	97.9	1603
WC120	23/4/07	Railway View	0.8	104.2	1603
WC120	23/4/07	Windsor	D.N.T		1603
WC121	24/4/07	Railway View	0.94	107.3	1501
WC121	24/4/07	Old Colliery	0.8	97.9	1501
WC121	24/4/07	Windsor	D.N.T		1501
WC121	24/4/07	Glenara	D.N.T		1501
WC122	30/4/07	Railway View	1.09	113.6	1629
WC122	30/4/07	Old Colliery	1.18	97.9	1629
WC122	30/4/07	Windsor	D.N.T		1629
WC122	30/4/07	Glenara	D.N.T		1629
WC123	1/5/07	Railway View	D.N.T		1645
WC123	1/5/07	Old Colliery	D.N.T		1645
WC123	1/5/07	Windsor	D.N.T		1645
WC123	1/5/07	Glenara	D.N.T		1645
WC124	2/5/07	Railway View	1.54	114.8	1655
WC124	2/5/07	Old Colliery	1.33	97.9	1655
WC124	2/5/07	Windsor	0.37	103.2	1655
WC124	2/5/07	Glenara	D.N.T		1655

SHOT NO	DATE	MONITOR LOCATION	PEAK GROUND PRESSURE mm/s	PEAK OVER PRESSURE dBL	TIME
WC125	3/5/07	Railway View	1.42	109.7	1314
WC125	3/5/07	Old Colliery	1.05	97.9	1314
WC125	3/5/07	Windsor	0.37	96.8	1314
WC125	3/5/07	Glenara	D.N.T		1314
WC126	4/5/07	Railway View	0.55	113.7	1314
WC126	4/5/07	Old Colliery	D.N.T		1314
WC126	4/5/07	Windsor	D.N.T		1314
WC126	4/5/07	Glenara	D.N.T		1314
WC127	8/5/07	Railway View	1.09	106.4	1313
WC127	8/5/07	Old Colliery	0.63	97.9	1313
WC127	8/5/07	Windsor	0.4	98.1	1313
WC127	8/5/07	Glenara	D.N.T		1313
WC128	9/5/07	Railway View	3.61	114.7	1625
WC128	9/5/07	Old Colliery	1.88	97.9	1625
WC128	9/5/07	Windsor	0.88	111.3	1625
WC128	9/5/07	Glenara	D.N.T	0.0	1625
WC129	10/5/07	Railway View	0.92	109.4	1533
WC129	10/5/07	Old Colliery	0.48	97.9	1533
WC129	10/5/07	Windsor	D.N.T		1533
WC129	10/5/07	Glenara	D.N.T		1533
WC130	11/5/07	Railway View	1.37	108.9	1641
WC130	11/5/07	Old Colliery	D.N.T		1641
WC130	11/5/07	Windsor	D.N.T		1641
WC130	11/5/07	Glenara	D.N.T		1641
WC131	15/5/07	Railway View	3.83	121.4	1312
WC131	15/5/07	Old Colliery	1.93	108.9	1312
WC131	15/5/07	Windsor	0.57	110.1	1312
WC131	15/5/07	Glenara	D.N.T		1312
WC132	21/05/2007	Railway View	1.04	101.7	1311
WC132	21/05/2007	Old Colliery	0.68	97.9	1311
WC132	21/05/2007	Windsor	D.N.T		1311
WC132	21/05/2007	Glenara	D.N.T		1311
ORICA2	29/05/2007	Glenala	D.N.T		1015
ORICA2	29/05/2007	Railway View	1.49	108.3	1015
ORICA2	29/05/2007	Old Colliery	1.49	104.5	1015
ORICA3	14/06/2007	Glenala	0.07	107.5	1318
ORICA3	14/06/2007	Railway View	1.59	114.4	1318
ORICA3	14/06/2007	Old Colliery	1.64	115.0	1318
ORICA4	15/06/2007	Glenala	D.N.T		1516
ORICA4	15/06/2007	Railway View	1.39	114.8	1516
ORICA4	15/06/2007	Old Colliery	1.5	110.0	1516
ORICA5	21/06/2007	Glenala	D.N.T		1404
ORICA5	21/06/2007	Railway View	1.58	114.4	1404
ORICA5	21/06/2007	Old Colliery	2.27	93.3	1404
ORICA6	26/06/2007	Glenala	0.1	113.9	1316
ORICA6	26/06/2007	Railway View	1.23	110.3	1316
ORICA6	26/06/2007	Old Colliery	1.3	101.2	1316

Interim Results
April 07 - June 07

WATER MONITORING RESULTS

WERRIS CREEK COAL PTY LTD

Sample Num	Sample Location	Sample Date	Sample	Alkalinity - Total as CaCO3 mg CaCO3/L	Arsenic - filterable_mg/L	Cadmium - filterable_mg/L	Calcium - filterable mg/L	Chloride mg/L	Chromium hexavalent mg/L	Chromium_mg/L	Copper - filterable_mg/L	Depth to Ground metres	Depth to Standpipe - metres	Electrical Conductivity uS/cm - field	Lead - filterable_mg/L	Magnesium - total mg/L	Manganese - filterable_mg/L	Mercury_mg/L	
26514.01	MW1 - Hillview	4-Apr-07	A Papaikar EEL	555	<0.001	<0.00005	127	78	<0.005	<0.001	0.0098	52.4	52.7	730	0.00029	60	0.006	<0.0001	
26514.02	MW2 - Railway View	4-Apr-07	A Papaikar EEL	450	0.01	<0.00005	82	67	<0.005	<0.001	0.0012	27.91	28.02	1020	0.00041	55	<0.001	<0.0001	
26514.03	MW3 - Eurunderree	4-Apr-07	A Papaikar EEL	405	0.002	<0.00005	190	535	<0.005	0.001	0.0023	16.32	16.71	2480	0.00005	106	0.037	<0.0001	
26514.04	MW4 - Piezo 1	4-Apr-07	A Papaikar EEL																
26514.05	MW4B	4-Apr-07	A Papaikar EEL	535	0.01	<0.00005	48	46	<0.005	0.25	0.002	9.63	10.27	1040	0.0024	28	2.4	0.0005	
26514.06	MW5	4-Apr-07	A Papaikar EEL	395	<0.001	<0.00005	199	588	<0.005	0.001	<0.0005	9.74	9.87	2630	<0.00005	113	0.014	<0.0001	
26514.07	MW6	4-Apr-07	A Papaikar EEL	705	0.002	<0.00005	78	230	<0.005	0.001	<0.0005	10.93	11.97	1970	<0.00005	86	0.001	<0.0001	
26514.08	MW7 - Rosehill	4-Apr-07	A Papaikar EEL	158	<0.001	0.00005	40	71	<0.005	<0.001	0.0006	4.6	4.99	550	<0.00005	19	0.001	<0.0001	
26514.09	MW8 - Roseneath	4-Apr-07	A Papaikar EEL	405	<0.001	<0.00005	136	280	<0.005	0.001	0.0038	18.71	18.92	1700	0.00039	77	0.002	<0.0001	
26514.1	MW9 - Rail Siding	4-Apr-07	A Papaikar EEL	495	<0.001	0.00005	93	60	<0.005	0.001	0.0012	14.67	15.74	1120	<0.00005	53	0.004	0.0001	
26514.11	MW10 - Turnbulls	4-Apr-07	A Papaikar EEL	350	<0.001	<0.00005	106	337	<0.005	<0.001	0.0012	18.2	18.4	1920	<0.00005	105	0.001	<0.0001	
26514.12	MW11 - Turnbull's Gap Bore	4-Apr-07	A Papaikar EEL	420	0.003	<0.00005	75	174	<0.005	<0.001	0.0023	No acc	No access	1380	0.00037	61	0.001	<0.0001	
26514.13	MW12 - Hazeldene	4-Apr-07	A Papaikar EEL	315	<0.001	<0.00005	85	92	<0.005	<0.001	0.0019	8.7	8.98	930	0.00011	36	<0.001	<0.0001	
26514.14	MW13 - Parkhill	4-Apr-07	A Papaikar EEL	196	0.001	<0.00005	71	135	<0.005	<0.001	0.0014	5.74	6.18	860	0.00005	32	0.001	<0.0001	
26514.15	MW14	4-Apr-07	A Papaikar EEL	455	0.012	<0.00005	65	39	<0.005	0.001	<0.0005	16.41	17.44	1080	<0.00005	57	0.041	<0.0001	
26516.01	MV1	4-Apr-07	A Papaikar EEL											1220					
26516.02	SD7	4-Apr-07	A Papaikar EEL											400					

Interim Results
April 07 - June 07

WATER MONITORING RESULTS

WERRIS CREEK COAL PTY LTD

Nickel - filterable mg/L	Nitrates mg/L	NO SAMPLE: (w)	Oil & Grease mg/L	pH - field	Phosphorus - reactive mg/L	Potassium - filterable mg/L	Potassium - total mg/L	Sodium - total mg/L	Sulfates mg/L	Time: (w)	Total Nitrogen mg/L	Total Petroleum Hydrocarbons mg/L	Total Phosphorus mg/L	Total Suspended Solids @105C mg/L	Zinc - filterable mg/L
0.004	6.6			6.9	0.03	0.71		61	<2	1450	7	<2	0.09		0.07
0.002	6.8			7	0.05	0.29		56	4	1505	7.4	<2	0.11		0.006
0.006	4.1			7	0.07	4.4		141	37	930	4.4	<2	0.1		0.018
		Borehole blocked								1615					
0.009	3.4			7.2	0.04	4.1		139	<2	1550	34	<2	0.08		0.009
0.006	2			6.9	<0.01	0.84		160	56	1005	2.2	<2	0.13		<0.005
0.003	4.1			6.9	0.06	0.42		243	35	1520	4.3	<2	0.14		<0.005
0.001	1.4			6.7	0.06	0.58		45	20	1100	1.6	<2	0.12		0.005
0.016	6.2			7.1	0.01	1.2		96	54	1155	7.1	<2	0.04		0.011
0.003	12			6.9	<0.01	0.7		77	16	1250	12	<2	0.04		<0.005
0.004	23			7.6	<0.01	0.4		112	46	1435	24	<2	0.06		0.006
0.002	14			7.4	0.02	0.28		132	25	1420	15	<2	0.13		0.005
0.003	2.4			7.1	0.04	0.51		62	61	1210	2.5	<2	0.16		0.008
0.002	2.4			6.6	0.06	0.96		51	37	1130	2.6	<2	0.11		0.006
0.003	19			7	<0.01	1.3		67	12	1335	21	<2	0.07		<0.005
	6.1			7.5	<0.01					800	6.3		0.03	22	
	1.4			8.5	0.11					850	2		0.48	11	

DEPOSITED DUST

Date		Site																				
In	Out	WC-1 ("Escott")			WC-2 ("Cintra")			WC-3 ("The Colliery")			WC-4 ("Hillview")			WC-5 ("Railway View")			WC-6 (Southern Boundary)			WC-7		
		Insoluble Matter g/m ² /month	Ash g/m ² /month	Ash Content %	Insoluble Matter g/m ² /month	Ash g/m ² /month	Ash Content %	Insoluble Matter g/m ² /month	Ash g/m ² /month	Ash Content %	Insoluble Matter g/m ² /month	Ash g/m ² /month	Ash Content %	Insoluble Matter g/m ² /month	Ash g/m ² /month	Ash Content %	Insoluble Matter g/m ² /month	Ash g/m ² /month	Ash Content %	Insoluble Matter g/m ² /month	Ash g/m ² /month	Ash Content %
10/04/07	3/05/07	0.7	0.5	71	1.4	0.9	64	1.9	1.0	53	1.0	0.6	60	1.0	0.5	50	6.3	4.1	65	0.9	1	67
3/05/07	5/06/07	0.2	0.2	100	0.3	0.2	67	1.8	0.4	22	0.3	0.2	67	0.4	0.3	75	4.3	2.7	63	0.6	0.3	50
5/06/07	4/07/07	0.4	0.2	50	0	0.2	50	0.6	0.2	33	0.4	0.2	50	0.3	0.2	67	5.1	3.8	75	1	1	83